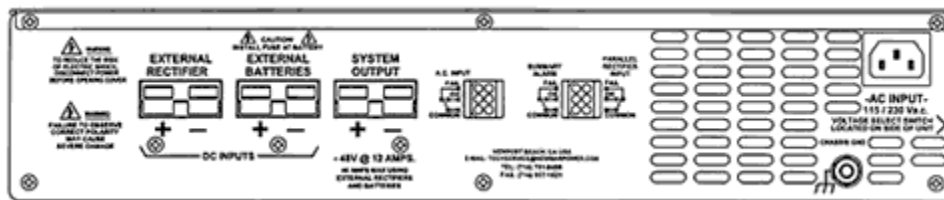
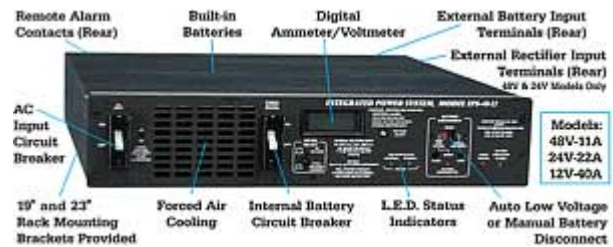


IPS Integrated Power System

Integrated Power System (IPS) is a unique rectifier/telecom power supply. It incorporates built-in battery back-up, numerous power accessories and auxiliary power inputs within a single 2RU (3.5") chassis, thus eliminating time-consuming system integration, component sourcing and installation, while saving precious rack space. The IPS is available in 48, 24 and 12 VDC models; an ideal rectifier/battery power solution for low power customer premises, network and telecom applications.



IPS Rear View (19" & 23" Rack Mounting Brackets Provided)

Product Features

- **Precision Regulated Rectifier**
 - ▶ Simultaneously maintains internal and external back-up batteries at peak charge as it powers the telecom equipment
- **Built-In Back-Up Batteries**
 - ▶ Instantly power loads during AC failure - no switch-over delay. Internal batteries are a sealed, maintenance-free type; 3-5 years average life (standby). Plug-in terminals are provided for additional external batteries to provide increased reserve power capacity.
- **Plug-In Terminals**
 - ▶ For easy addition of a parallel external rectifier (48V and 24V models only.)
- **Automatic Low Voltage and Manual Battery Disconnect**
- **Numerous Front Panel Monitors**
 - ▶ L.E.D. status indicators and digital ammeter/voltmeter
- **Alarms**
 - ▶ Form C Summary failure alarm contacts; Loss of internal rectifier output; loss of external rectifier output; LVBD contactor open. AC Input failure alarm contacts optional
- **Numerous Protection Features**
 - ▶ AC input and internal battery circuit breakers, auto thermal shutdown/recovery, current-limiting, short-circuit and over-voltage protection
- **Protection**
 - ▶ Current Limit
 - ▶ Short Circuit
 - ▶ Over Voltage
 - ▶ Auto Thermal Shutdown/Recovery
 - ▶ Input Fuse and Circuit Breaker
 - ▶ Circuit Breaker For Internal Battery
 - ▶ Low Voltage Battery Disconnect (Adjustable)

Product Specifications

AC Input	
Input Range	115 V = 92-130 VAC; 230 V = 184-260 VAC
Frequency	47-63 Hz
DC Output	
Voltage	See Model Selection Guide
Adjustment Range	See Model Selection Guide
Max Load with External Rectifier & Battery Inputs	40 Amps (all models)
Regulation	Line: ±1%; Load: ±2%
Ripple	±1%
Indicators / Alarms	
System "Nominal" indicator lights	AC OK External Rectifier ON/OK (except IPS-12-40) Internal Rectifier ON/OK, Battery Contactor Closed
System "Warning" indicator lights	Check system Battery disconnected
Form 'C' Alarm Contacts	Summary failure AC Input failure (optional)
Internal Batteries	
Type	12 Volt, 4 A-H Sealed Lead-Acid Maintenance-Free
Amp-Hour Capacity	See Model Selection Guide
Weight	3.75 lvs each: 4 batteries per unit
Approvals	UL recognized, DOT and IATA approved for shipment by air
Mechanical	
Chassis	Aluminum
Rack Size	19" or 23", 2 RU (3.5")
Cooling	Forced Air
Temperature Rating	-10°C to +60°C; Derate linearly from 100% load @ 50°C to 75% @ 60°C
Dimensions	3.5"H x 17"W x 18"D
Weight	32 Lbs.
Options	
Battery Module	12V, 24V, 48V
External Rectifier	24V, 48V only 500 or 1000 watt
AC Input Fail Contacts	Optional
Rectifier/Battery Input Cable Assembly	Model: CA-24
Rear Support Bracket for Flush Mounting	Model: RSB-19 or RSB-23
Distribution Panel	Models: DST-10, DST-20
Batteries	Unit supplied without batteries

Model Selection Guide

Model	Input Amps @ Full Load (115 / 230)	Output (VDC / Adj Range / Amps Cont)	Internal Battery Capacity	Ground Reference	Weight (lbs)
IPS 48-11	11 / 5.5	54.4 / 40-60 VDC / 11	4 A-H	Positive	32
IPS 24-22	11 / 5.5	27.2 / 20-30 VDC / 22	8 A-H	Negative	32
IPS 12-40	11 / 5.5	13.6 / 20-30 VDC / 40	16 A-H	Negative	32

Battery Runtime

Constant Current Performance (Amps) to 1.75 VPC					
Model	5 min	15 min	30 min	1 hour	2 hours
IPS 48-11	23.2	6.4	4.0	2.2	1.4
IPS 24-22	11.6	12.8	8.0	4.8	2.8
IPS 12-40	40.0	25.6	16.0	8.8	5.6